

VistA Package Size Reporting Tool (VPSRT)

Kernel Toolkit Patch XT*7.3*143

Technical Manual (REDACTED)



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Revision History

Date	Revision	Description	Author
04/19/2021	1.0	Initial <i>VistA Package Size Reporting Tool (VPSRT) Kernel Toolkit Patch XT*7.3*143 Technical Manual</i> based on the template V. 1.1, released on July 2016.	VistA Infrastructure (VI) / VistA Kernel Development Team: Patch XU*8.0*143

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Orientation

How to Use this Manual

Throughout this manual, advice and instructions are offered regarding the use of the VistA Package Size Reporting Tool (VPSRT) and the functionality it provides for Veterans Health Information Systems and Technology Architecture (VistA).

Intended Audience

The intended audience of this manual is the following stakeholders:

- Enterprise Program Management Office (EPMO)—VistA legacy development teams.
- System Administrators—System administrators at Department of Veterans Affairs (VA) regional and local sites who are responsible for computer management and system security on the VistA M Servers.
- Information Security Officers (ISOs)—Personnel at VA sites responsible for system security.
- Product Support (PS).

Disclaimers

Software Disclaimer

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CAUTION: To protect the security of VistA systems, distribution of this software for use on any other computer system by VistA sites is prohibited. All requests for copies of this software for *non-VistA* use should be referred to the VistA site's local Office of Information and Technology Field Office (OITFO).

Documentation Disclaimer

This manual provides an overall explanation of VPSRT and the functionality contained in VPSRT; however, no attempt is made to explain how the overall VistA programming system is integrated and maintained. Such methods and procedures are documented elsewhere. We suggest you look at the various VA Internet and Intranet websites for a general orientation to VistA. For example, visit the Office of Information and Technology (OIT) VistA Development Intranet website.



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Documentation Conventions

This manual uses several methods to highlight different aspects of the material:

- Various symbols are used throughout the documentation to alert the reader to special information. [Table 1](#) gives a description of each of these symbols:

Table 1: Documentation Symbol Descriptions

Symbol	Description
	NOTE / REF: Used to inform the reader of general information including references to additional reading material.
	CAUTION / RECOMMENDATION / DISCLAIMER: Used to caution the reader to take special notice of critical information.

- Descriptive text is presented in a proportional font (as represented by this font).
- Conventions for displaying TEST data in this document are as follows:
 - The first three digits (prefix) of any Social Security Numbers (SSN) begin with either “000” or “666.”
 - Patient and user names are formatted as follows:
 - *[Application Name]*PATIENT,[N]
 - *[Application Name]*USER,[N]

Where “*[Application Name]*” is defined in the Approved Application Abbreviations document and “[N]” represents the first name as a number spelled out and incremented with each new entry.

For example, in Kernel (XU) test patient names would be documented as follows:

XUPATIENT,ONE; XUPATIENT,TWO; XUPATIENT,14, etc.

For example, in Kernel (XU) test user names would be documented as follows:

XUUSER,ONE; XUUSER,TWO; XUUSER,14, etc.

- “Snapshots” of computer online displays (i.e., screen captures/dialogues) and computer source code are shown in a *non*-proportional font and may be enclosed within a box.
- User’s responses to online prompts are in **boldface** and highlighted in yellow (e.g., **<Enter>**).
- Emphasis within a dialogue box is in **boldface** and highlighted in blue (e.g., **STANDARD LISTENER: RUNNING**).
- Some software code reserved/key words are in **boldface** with alternate color font.
- References to “<Enter>” within these snapshots indicate that the user should press the <Enter> key on the keyboard. Other special keys are represented within < > angle brackets. For example, pressing the **PF1** key can be represented as pressing <PF1>.
- Author’s comments are displayed in italics or as “callout” boxes.



NOTE: Callout boxes refer to labels or descriptions usually enclosed within a box, which point to specific areas of a displayed image.

Documentation Navigation

This document uses Microsoft® Word’s built-in navigation for internal hyperlinks. To add **Back** and **Forward** navigation buttons to your toolbar, do the following:

1. Right-click anywhere on the customizable Toolbar in Word (*not* the Ribbon section).
2. Select **Customize Quick Access Toolbar** from the secondary menu.
3. Press the drop-down arrow in the “**Choose commands from:**” box.
4. Select **All Commands** from the displayed list.
5. Scroll through the command list in the left column until you see the **Back** command (circle with arrow pointing left).
6. Select/Highlight the **Back** command and press **Add** to add it to your customized toolbar.
7. Scroll through the command list in the left column until you see the **Forward** command (circle with arrow pointing right).
8. Select/Highlight the **Forward** command and press **Add** to add it to your customized toolbar.

9. Press **OK**.

You can now use these **Back** and **Forward** command buttons in your Toolbar to navigate back and forth in your Word document when selecting hyperlinks within the document.



NOTE: This is a one-time setup and is automatically available in any other Word document once you install it on the Toolbar.

How to Obtain Technical Information Online

Exported VistA M Server-based software file, routine, and global documentation can be generated using Kernel, MailMan, and VA FileMan utilities.



NOTE: Methods of obtaining specific technical information online will be indicated where applicable under the appropriate section.

Help at Prompts

VistA M Server-based software provides online help and commonly used system default prompts. Users are encouraged to enter question marks at any response prompt. At the end of the help display, you are immediately returned to the point from which you started. This is an easy way to learn about any aspect of VistA M Server-based software.

Obtaining Data Dictionary Listings

Technical information about VistA M Server-based files and the fields in files is stored in data dictionaries (DD). You can use the **List File Attributes** [DILIST] option on the **Data Dictionary Utilities** [DI DDU] menu in VA FileMan to print formatted data dictionaries.



REF: For details about obtaining data dictionaries and about the formats available, see the “List File Attributes” chapter in the “File Management” section of the *VA FileMan Advanced User Manual*.

Assumptions

This manual is written with the assumption that the reader is familiar with the following:

- VistA computing environment:
 - Kernel—VistA M Server software
 - VA FileMan data structures and terminology—VistA M Server software
- Microsoft Windows environment

References

Readers who wish to learn more about VistA Package Size Reporting Tool (VPSRT) should consult the following:

- *VistA Package Size Reporting Tool (VPSRT) Deployment, Installation, Back-Out, and Rollback Guide (DIBRG)*
- *VistA Package Size Reporting Tool (VPSRT) User Guide*
- *VistA Package Size Reporting Tool (VPSRT) Technical Manual* (this manual)

VistA documentation is made available online in Microsoft® Word format and in Adobe Acrobat Portable Document Format (PDF). The PDF documents *must* be read using the Adobe Acrobat Reader, which is freely distributed by Adobe Systems Incorporated at: <http://www.adobe.com/>

VistA documentation can be downloaded from the VA Software Document Library (VDL) website: <http://www.va.gov/vdl/>

The VPSRT documentation is located on the VDL at: [VA Software Document Library - Kernel Toolkit](#)

VistA documentation and software can also be downloaded from the Product Support (PS) Anonymous Directories.

1. Introduction

The *VistA Package Size Reporting Tool (VPSRT) Kernel Toolkit Patch XT*7.3*143 Technical Manual* provides descriptive information and instructions on the use of the VPSRT software within the VA's Veterans Health Information Systems and Technology Architecture (VistA) environment.

It acquaints users with the utilities, software structure, and functionality of the VPSRT, including information about the files, options, and routines that comprise this software. It also has information about the software's structure and recommendations regarding its efficient use. Additional information on security, management features, and other requirements is also included.

The intended audience for this document is:

- System Administrators—System administrators at Department of Veterans Affairs (VA) regional and local sites who are responsible for computer management and system security on the VistA M Servers.
- Enterprise Program Management Office (EPMO)—VistA legacy development teams.
- Product Support (PS).

1.1. Purpose

The purpose of this document is to provide sufficient technical information about the software for developers and technical personnel to operate and maintain the software with only minimal assistance from Product Support staff.

1.2. System Overview

Patch XT*7.3*143 enhances Kernel Toolkit by adding a legacy VistA package definition and size reporting system. This enhancement does *not* measure package use or capacity requirements. It provides statistics on the technical footprint for a VistA Package, where “technical footprint” is the following:

- Number of routines
- Size of routines
- Number of files
- Number of fields
- Number of options
- Number of protocols
- Number of remote procedure calls (RPCs)
- Number of VA FileMan templates included in the reported package

VPSRT is new and does *not* exist in Production VistA prior to installation of Patch XT*7.3*143. The report depends on accurate package definitions to provide correct statistics for a package.

Figure 1: VPS Reporting Tool—Integration

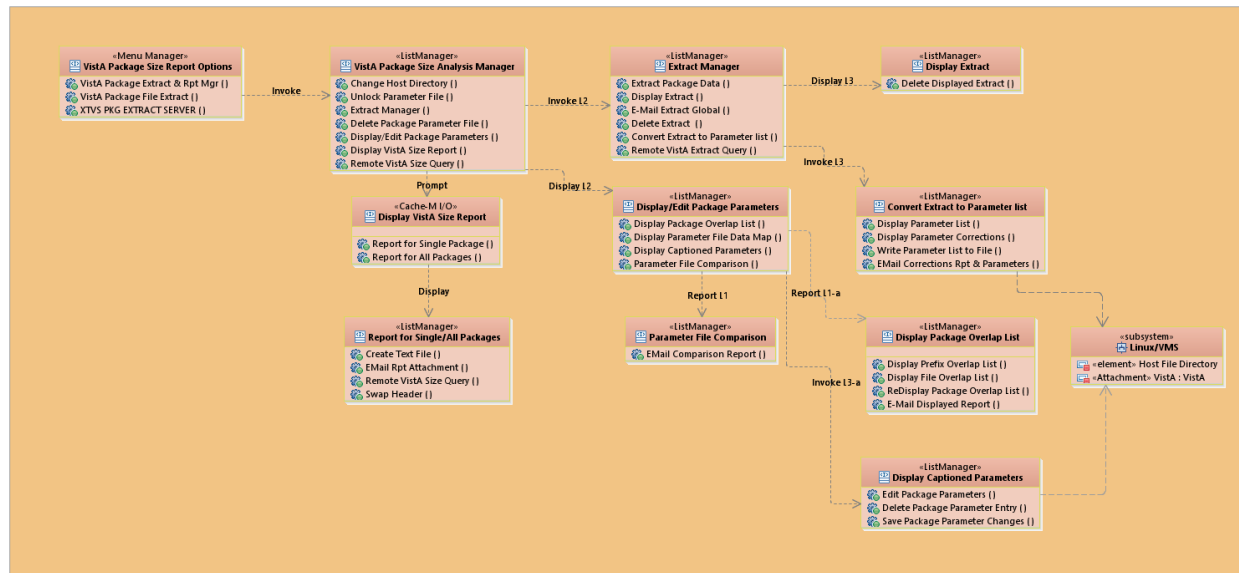


Figure 2: VPS Reporting Tool—System Layers

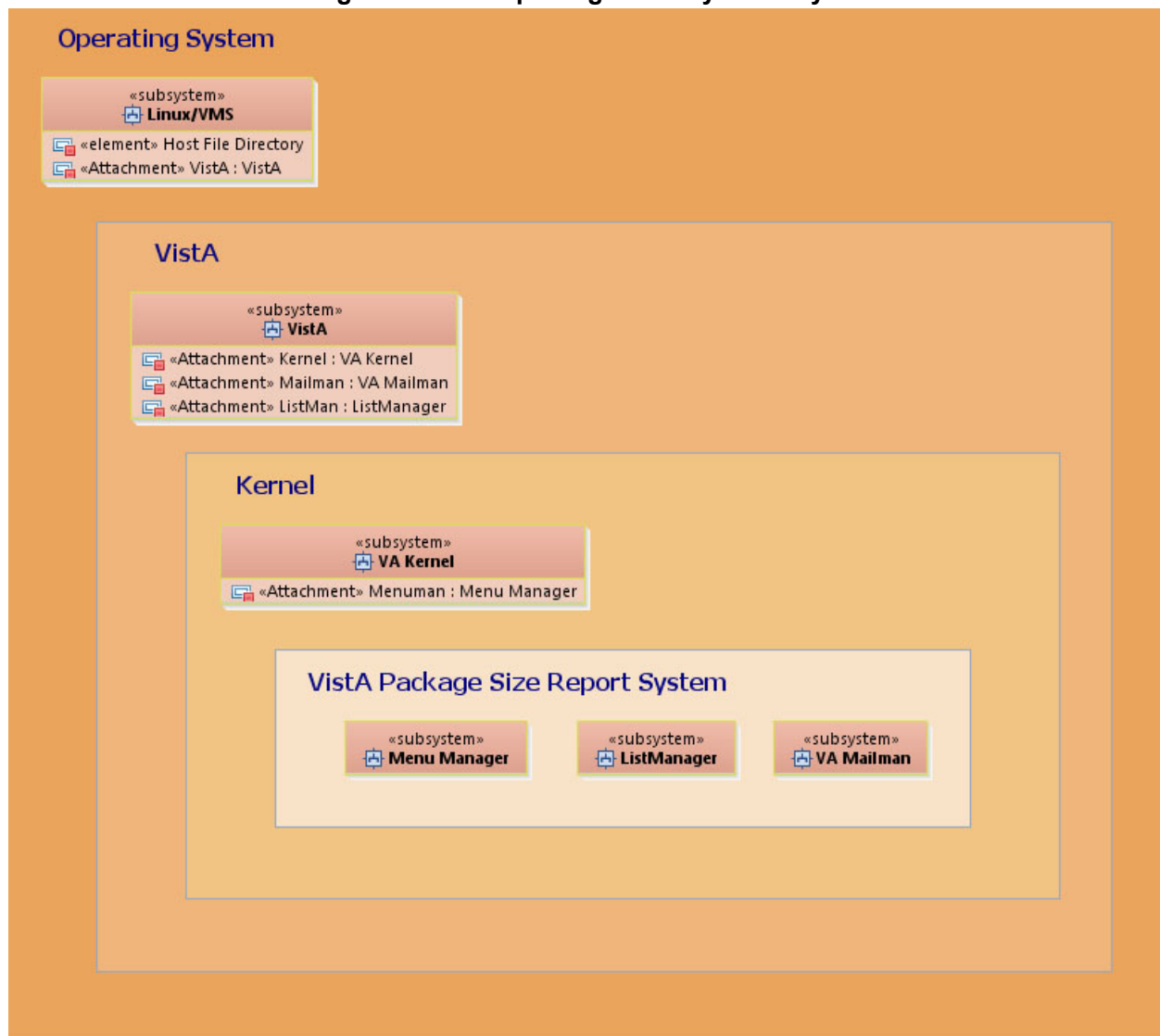
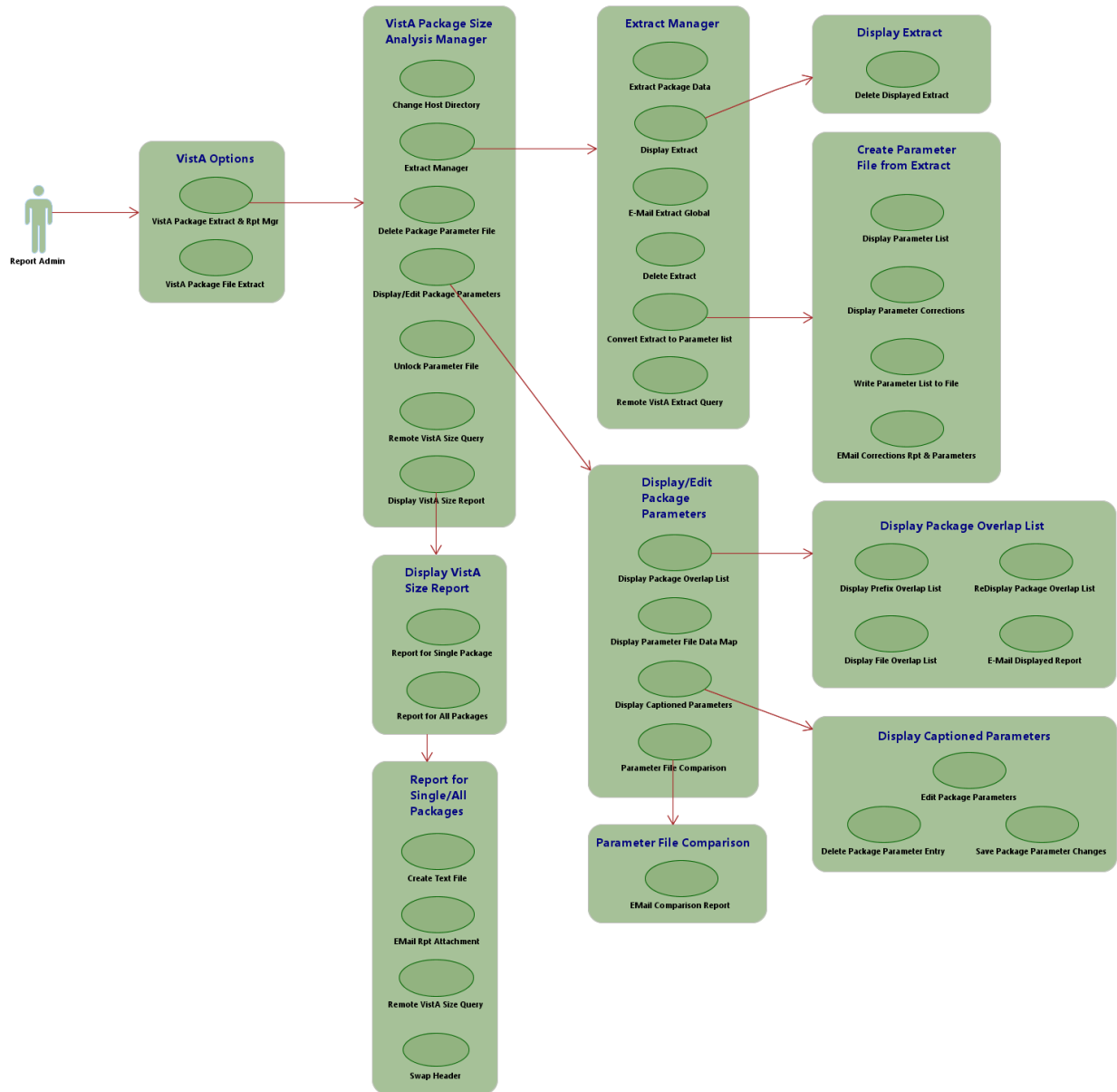


Figure 3: VPS Reporting Tool—Extract Manager Use Cases



2. Implementation and Maintenance

Kernel Toolkit Patch XT*7.3*143 Patch Description (PD) document and the *VPSRT Deployment, Installation, Back-Out, and Rollback Guide (DIBRG)* provides detailed information regarding the installation of the VPSRT. It also contains requirements and recommendations regarding how the VPSRT should be configured.



REF: Before attempting to install the VPSRT, be sure to read the Kernel Toolkit Patch XT*7.3*143 PD and the VPSRT DIBRG.

2.1. Namespace

The VPSRT namespace is XTVS.

2.2. System Requirements

Kernel Toolkit Patch XT*7.3*143 should be installed on FORUM and all VistA M Servers.

All VistA Infrastructure patches *must* be installed within **30** days of national release.

2.2.1. Hardware Requirements

There are no specific hardware requirements for installation of Kernel Toolkit Patch XT*7.3*143 as it runs in a typical VistA M Server environment. There is also no need for specific hardware to assist in the deployment of Kernel Toolkit Patch XT*7.3*143.

2.2.2. Software Requirements

The installation of Kernel Toolkit Patch XT*7.3*143 is a typical Kernel Installation & Distribution System (KIDS) install of a VistA patch in the VistA M Server environment.

[Table 2](#) lists the *minimum* software requirements for the VistA M Server in order to install and use Kernel Toolkit Patch XT*7.3*143:

Table 2: VistA M Server—Minimum Software Requirements

Software	Version	Description
Kernel	8.0	VistA Legacy Software *Fully Patched M Accounts.
Kernel Toolkit	7.3	VistA Legacy Software *Fully Patched M Accounts.
VA FileMan	22.2	VistA Legacy Software *Fully Patched M Accounts.
MailMan	8.0	VistA Legacy Software *Fully Patched M Accounts.



***NOTE:** All software listed in [Table 2](#) *must* be fully patched, which means that all patches *must* be installed up to the most recent patch released at the time of the installation of Kernel Toolkit Patch XT*7.3*143.

2.2.3. Database Requirements

VPSRT and Kernel Toolkit Patch XT*7.3*143 uses the already installed VA FileMan database. VPSRT does *not* create any new databases.

2.3. System Setup and Configuration

2.3.1. Allocate XTVS EDITOR Security Key

Use the **Allocation of Security Keys** [XUKEYALL] option to allocate the **XTVS EDITOR** security key to the users who manage package parameters used to create the package size reports. Users that only need to create package size reports do *not* need this security key.

To allocate the **XTVS EDITOR** security key, do the following:

1. Select the **System Manager Menu** [EVE].
2. Select the **Menu Management** [XUMAINT] menu.
3. Select the **Key Management** [XUKEYMGMT] menu.
4. Select the **Allocation of Security Keys** [XUKEYALL] option.
5. At the “Allocate key:” prompt enter **XTVS EDITOR**.

2.3.2. Review Configure XTVS PKG EXTRACT SERVER Option Configuration

The **Process XTVS Request Message** [XTVS PKG EXTRACT SERVER] option responds to remote VistA requests to return size reports; and on FORUM, PACKAGE (#9.4) file extracts. System administrators can decide to prevent a remote user from running a report on the VistA and returning it to the requester. This option can help remote support staff assist the site.

The SERVER ACTION (#221) field in the OPTION (#19) file is set to “**RUN IMMEDIATELY**” for the **XTVS PKG EXTRACT SERVER** option when the patch is installed. Configuration of this option allows remote support staff to receive requested size messages (or in the case of FORUM, PACKAGE [#9.4] file extract messages in addition to package size messages).



CAUTION: Production system administrators should review the setting and determine whether to leave the option configured to “**RUN IMMEDIATELY**” or change the configuration. The SERVER ACTION (#221) field can be set to one of the following:

- **R—RUN IMMEDIATELY**
- **Q—QUEUE SERVER ROUTINE**
- **N—NOTIFY MAIL GROUP (DO NOT RUN)**
- **I—IGNORE REQUESTS**

To change the SERVER ACTION (#221) field on the **XTVS PKG EXTRACT SERVER** option:

Use the **FileMan ENTER OR EDIT FILE ENTRIES** [DIEDIT] option to change the value of the SERVER ACTION (#221) field in the OPTION (#19) file.

2.3.3. Set Default Directory

Using the “**VistA Package Size Analysis Manager**” screen, set the Package Parameter file (i.e., **XTMPSIZE*.DAT**) default directory as follows:

1. Invoke the **VistA Package Extract Manager** [XTVS VISTA PACKAGE EXTRACT MGR] option.
2. At the “Do you want to Display XTMPSIZE*.BAK (backup files)? NO//” prompt, press **Enter** to accept the **NO** default response.
3. From the “**VistA Package Size Analysis Manager**” screen, select the **CHD—Change Host Directory** action, as shown in [Figure 4](#).



NOTE: The **CHD—Change Host Directory** action is locked with the **XTVS EDITOR** security key.

4. Set the “**VistA Package Size default directory**” to a directory on the VistA server host system that the user, who will be managing package parameters and creating package size reports, has **READ** and **WRITE** privileges.

Figure 4: CHD—Change Host Directory Action: Example

```
Vista Package Size Manager    Apr 14, 2017@14:07:44    Page:    3 of    4
Vista Package Size Analysis Manager
Version: 1    Build: 0

-----
22) XTMPSIZE_GTS2-9-17_1627.DAT;1
23) XTMPSIZE_GTS3-6-17_0922.DAT;1
24) XTMPSIZE_GTS4-10-17_0839.DAT;1
25) XTMPSIZE_GTS7-26-16_1054.DAT;1
26) XTMPSIZE_GTS7-26-16_1119.DAT;1
27) XTMPSIZE_GTS7-26-16_1527.DAT;1
28) XTMPSIZE_GTS7-26-16_1531.DAT;1
29) XTMPSIZE_GTS7-27-16_1016.DAT;1
30) XTMPSIZE_GTS8-11-16_0838.DAT;1
31) XTMPSIZE_GTS8-18-16_1014.DAT;1
32) XTMPSIZE_GTS8-3-16_1545.DAT;1
33) XTMPSIZE_GTS8-4-16_1321.DAT;1
34) XTMPSIZE_GTS8-8-16_1532.DAT;1
+      Enter ?? : more actions & Help, ??? : Process Help
EM  Extract Manager                                DPF Delete Package Parameter File
PMD Display/Edit Package Parameters                CHD Change Host Directory
VSR Display Vista Size Report                      UNL Unlock Parameter File
RVQ Remote Vista Size Query
Select Action:Next Screen//  CHD <Enter> Change Host Directory

Package Size Parameter Edit for System: REDACTED.VA.GOV
-----
Current default directory is displayed here.
Vista Package Size default directory                VA3$:[XUUSER]
-----
Enter new default directory at this prompt.
Vista Package Size default directory: VA3$:[XUUSER]//
```

3. Files and Templates

3.1. Files

There are no new globals, files, or fields exported with VPSRT and Kernel Toolkit Patch XT*7.3*143.

3.2. Templates

[Table 4](#) lists the ListMan templates exported with VPSRT and Kernel Toolkit Patch XT*7.3*143. A brief description of the templates is provided.

Table 3: VPSRT—ListMan Templates

Template	Description
XTVS PACKAGE MANAGER	This template uses the VistA Package Mgr Menu [XTVS PACKAGE MANAGER MENU] menu protocol.
XTVS PKG EXT CRT PARAM	This template uses the New Parameter File Menu [XTVS PKG MGR NEW PARAM MENU] menu protocol.
XTVS PKG MGR EXT DISP	This template uses the Extract Display/Delete [XTVS PKG MGR EXT DISP MENU] menu protocol.
XTVS PKG MGR EXTRACT MNGR	This template uses the Extract Manager Menu [XTVS PKG MGR EXTRACT MENU] menu protocol.
XTVS PKG MGR PARAM CAPTN DISP	This template uses the Parameter Caption Display Menu [XTVS PKG MGR PARAM DISP CAPTN MENU] menu protocol.
XTVS PKG MGR PARAM COMPARE	This template uses the Compare Parameters to Existing File [XTVS PKG MGR PARAM CMPR MENU] menu protocol.
XTVS PKG MGR PARAM DISPLAY	This template uses the Package Parameter Display Menu [XTVS PKG MGR PARAM DISP MENU] menu protocol.
XTVS PKG MGR PARAM ERROR DISP	This template uses the List Package Errors [XTVS PKG MGR PARAM ERROR MENU] menu protocol.
XTVS PKG MGR VISTA SIZE RPT	This template uses the VistA Size Report Menu [XTVS PKG MGR RPT MENU] menu protocol.

4. Routines

[Table 4](#) lists the routines exported with VPSRT and Kernel Toolkit Patch XT*7.3*143. A brief description of the routines is provided.

Table 4: VPSRT—Routines

Routine	Description
XT73A143	Pre-transportation routine for XT*7.3*143.
XT73P143	Post-transportation routine for XT*7.3*143.
XTVSCP	Protocol code for XTVS PKG EXT CRT PARAM.
XTVSHELP	This routine contains Help text.
XTVSHLP1	This routine contains Help text.
XTVSHLP2	This routine contains Help text.
XTVSLAPI	API code.
XTVSLDE	Protocol code for XTVS PKG MGR EXT DISP ACTION.
XTVSLM	Protocol code for XTVS PACKAGE MANAGER.
XTVSLN	Protocol code for XTVS PKG MGR EXTRACT MNGR.
XTVSLNA1	Protocol code for XTVS PKG MGR EXTRACT MNGR #2.
XTVSLP	Protocol code for XTVS PKG MGR PARAM DISPLAY.
XTVSLPC	Protocol code for XTVS PKG MGR PARAM COMPARE.
XTVSLPD1	API code #1 for XTVS PKG MGR PARAM COMPARE protocol.
XTVSLPD2	API code #2 for XTVS PKG MGR PARAM COMPARE protocol.
XTVSLPDC	Protocol code for XTVS PKG MGR PARAM CAPTN DISP.
XTVSLPER	Protocol code for XTVS PKG MGR PARAM ERROR DISP.
XTVSLPR1	API code for XTVS PKG MGR PARAM ERROR DISP protocol.
XTVSLR	Protocol code for XTVS VISTA SIZE RPT.
XTVSRFL	API code for XTVS VISTA SIZE RPT protocol.
XTVSRFL1	API code for XTVS VISTA SIZE RPT protocol and the XTVS PKG EXTRACT SERVER option.
XTVSSVR	XTVS PKG EXTRACT SERVER option code.

5. Exported Options and Protocols

5.1. Options

[Table 5](#) list the XTVS namespaced options that are distributed with VPSRT (listed alphabetically by option name):

Table 5: Options—Exported VPSRT Options

Option Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
XTVS PKG EXTRACT SERVER	Process XTVS Request Message	Server	SRVREXT^X TVSSVR	This server option processes a Kernel Toolkit VistA Package Size request message. The VistA Package Size Reporting Tool (VPSRT) can request the following information from a remote VistA via a request message to this option: <ul style="list-style-type: none"> Size report for a single VistA package on another production VistA. Package file extract from any production VistA. Optionally, a size a report for all packages can be requested from FORUM in addition to a Package file extract.
XTVS PKG MGR EXT PACKAGE MSG	Send Package File Extract via Packman	Run Routine	EMAILEXT^X XTVSLAPI	This option does the following: <ul style="list-style-type: none"> Extracts the VistA Package Size relevant data from the PACKAGE (#9.4) file. Loads it into an ^XTMP global. Bundles the ^XTMP global in a PackMan message. Allows the user to send it to a VA MailMan email address on a VistA environment.
XTVS VISTA PACKAGE EXTRACT MGR	VistA Package Extract Manager	Run Routine	EN^XTVSLM	This option invokes the “ VistA Package Size Analysis Manager ” screen (aka VistA

Option Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				Package Extract & Rpt Manager).


5.2. Protocols

[Table 6](#) list the **XTVS** namespaced protocols that are distributed with VPSRT (listed alphabetically by protocol name):

Table 6: Protocols—Exported VPSRT Protocols

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
XTVS BLANK 1	N/A	Action	N/A	This protocol is used to format spaces in ListMan menu lists. It is <i>not</i> a user-selectable action.
XTVS PACKAGE MANAGER MENU	VistA Package Mgr Menu	Menu	Header: D SHOW^VALM	This menu allows access to VistA Package Manager actions. The XTVS PACKAGE MANAGER List Manager template uses this menu protocol. This menu includes the following actions: <ul style="list-style-type: none"> • XTVS PKG MGR EXT MNGR ACTION MNEMONIC: EM • XTVS PKG MGR PARAM DISP/EDIT ACTION MNEMONIC: PMD • XTVS PKG MGR VISTA SIZE RPT MNEMONIC: VSR • XTVS PKG MGR PARAM FILE DELETE ACTION MNEMONIC: DPF • XTVS SITE PARAMETERS MNEMONIC: CHD • XTVS PKG MGR PARAM UNLOCK ACTION MNEMONIC: UNL

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
XTVS PKG EXT CRT PARAM ACTION	CXP—Convert Extract to Parameter List	Action	ENTRY ACTION: D CRTPARAM^XTVSLN	Prompts the user for the \$JOB Process ID of the extract and displays the Extract Package Parameter file (i.e., XTMPSIZE*.DAT) on the “ VistA Package Size Analysis Manager – Package Parameters ” screen.
XTVS PKG EXT DISP CORRECTIONS ACTION	DPC—Display Parameter Corrections	Action	ENTRY ACTION: DO REDISCRT^XTVSCP	Allows users to review the changes the CXP—Convert Extract to Parameter List action made to the data written in the Package Parameters list when it was created from the raw PACKAGE (#9.4) file extract.
XTVS PKG EXT DISP DEL ACTION	DE—Delete Displayed Extract	Action	ENTRY ACTION: D DEL^XTVSLDE	Allows the user to delete the ^XTMP(“XTVS”) global extract displayed on the “ VistA Package Size Analysis Manager - Display Extract ” screen. This action prompts the user to confirm deletion of the ^XTMP global displayed in the list: <ul style="list-style-type: none"> • NO—Displays a message and redisplay the extract global. • YES—Deletes the global and returns to the “VistA Package Size Analysis Manager - Extract Manager” screen.
XTVS PKG EXT EMAIL ACTION	ME—Email Extract Global	Action	ENTRY ACTION: D EEXT^XTVSLN	Prompts the user for the \$JOB Process ID number of the extract to mail and then prompts the user for recipients. This serves as an alternate to the Send Package File Extract via Packman [XTVS PKG MGR EXT PACKAGE MSG] option.
XTVS PKG EXT PARAM WRT ACTION	WPF—Write Parameter List to File	Action	ENTRY ACTION: D WRPARMFL^XTVSCP	Creates a Package Parameter file (i.e., XTMPSIZE*.DAT) from the Package Parameters displayed with the following file name format: XTMPSIZE_<user initials><mm-dd-yy_hhmm>.DAT It is written to the VistA Package Size default directory for further editing with

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				the VistA Package Analysis Manager.
XTVS PKG EXT QUERY REMOTE ACTION	REQ—Remote VistA Extract Query	Action	ENTRY ACTION: D QRYEXT^XTVSLN	Allows a user to request a Package file extract from any Production VistA. If a Package file extract is requested from FORUM, the user can also request a VistA Package size report for all packages on FORUM.
XTVS PKG EXT REDISP PARAM ACTION	RPL—Display Parameter List	Action	ENTRY ACTION: DO REDISPRM^XTVSCP	Executed after users review corrections with the DPC—Display Parameter Corrections action. It redispays the package parameters as defined by the selected package extract file.
XTVS PKG EXTRACT CREATE ACTION	CE—Extract Package Data	Action	ENTRY ACTION: D PEXT^XTVSLN	Extracts PACKAGE (#9.4) file data into ^XTMP("XTVS") global.
XTVS PKG EXTRACT DEL ACTION	DEL—Delete Extract	Action	ENTRY ACTION: D DE^XTVSLN	Prompts the user for the \$JOB Process ID number of the extract and deletes the ^XTMP("XTSIZE") global extract.
XTVS PKG MGR DEL PACKAGE PARM ACTION	DPE—Delete Package Parameter Entry	Action	ENTRY ACTION: D DELPMPKG^XTVSLPDC	Prompts users to enter a package to delete. The user is reminded that deletion removes the package from the size report created with the Package Parameter file (i.e., XTMPsize*.DAT) being edited.
XTVS PKG MGR EDIT PACKAGE PARM ACTION	EPP—Edit Package Parameters	Action	ENTRY ACTION: D EDITPRM^XTVSLPDC	Prompts users to enter a package to add/edit. The user is then prompted to edit the parameters required for Package Size Reporting.
XTVS PKG MGR EMAIL OVRLAP RPT ACTION	EL—Email Displayed Report	Action	ENTRY ACTION: D ERPT^XTVSLPER	Prompts the user for email recipients to send the displayed report. This action allows the report to be sent to a specific Package SME for review.  NOTE: This action sends the displayed report. For example, if the "VistA Package Size Analysis Manager – File Overlap" screen is displayed, then the "File Overlap" report is sent to

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				the recipient.
XTVS PKG MGR EXT DISP ACTION	ED—Display Extract	Action	ENTRY ACTION: D ED^XTVSLN	Allows users to enter the \$J Process number for the ^XTMP(“XTVS”) global and display its data. The “ VistA Package Size Analysis Manager – Display Extract ” screen is displayed and presents a report of each Package with captioned parameter data. Use this report to review the extracted PACKAGE (#9.4) file data to determine what parameter changes and corrections need to be made.
XTVS PKG MGR EXT DISP MENU	Extract Display/Delete	Menu	HEADER: D SHOW^VALM	This action displays a selected extract and related actions for the extract. The XTVS PKG MGR EXT DISP List Manager template uses this menu protocol. This menu includes the following actions: <ul style="list-style-type: none"> • XTVS PKG EXT DISP DEL ACTION MNEMONIC: DE • VALM BLANK 1
XTVS PKG MGR EXT MNGR ACTION	EM—Extract Manager	Action	ENTRY ACTION: D EA^XTVSLM	Invokes a utility for managing the ^XTMP(“XTSIZE”) global. This action is locked with the XTVS EDITOR security key.
XTVS PKG MGR EXTRACT MENU	Extract Manager Menu	Menu	HEADER: D SHOW^VALM	This menu allows access to the Package File Extract tools. The XTVS PKG MGR EXTRACT MNGR List Manager template uses this menu protocol. This menu includes the following actions: <ul style="list-style-type: none"> • XTVS PKG EXTRACT CREATE ACTION MNEMONIC: CE • XTVS PKG MGR EXT DISP ACTION MNEMONIC: ED • XTVS PKG EXT EMAIL ACTION MNEMONIC: ME • XTVS PKG EXTRACT DEL

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				ACTION MNEMONIC: DEL <ul style="list-style-type: none"> XTVS PKG EXT CRT PARAM ACTION MNEMONIC: CXP VALM BLANK 1
XTVS PKG MGR FILE OVERLAP ACTION	FL—Display File Overlap List	Action	ENTRY ACTION: D DRNGERR^XTV SLPER	Sorts out and displays only the packages that have file overlaps (intersections). The “ VistA Package Size Analysis Manager – File Overlap ” screen is then displayed.
XTVS PKG MGR NEW PARAM MAIL ACTION	EPC—Email Corrections Rpt & Parameters	Action	ENTRY ACTION: D SNDNPFLE^XT VSCP	Prompts the user for recipients and sends the Package Parameter file (i.e., XTMPSIZE*.DAT) as an attachment and the corrections report in the mail message. Use this information as a starting point for correcting package information in the Parameters file.
XTVS PKG MGR NEW PARAM MENU	New Parameter File Menu	Menu	HEADER: D SHOW^VALM	This menu allows access to the new parameter file management actions. The XTVS PKG EXT CRT PARAM List Manager template uses this menu protocol. This menu includes the following actions: <ul style="list-style-type: none"> XTVS PKG EXT REDISP PARAM ACTION MNEMONIC: RPL XTVS PKG EXT DISP CORRECTIONS ACTION MNEMONIC: DPC XTVS PKG EXT PARAM WRT ACTION MNEMONIC: WPF XTVS PKG MGR NEW PARAM MAIL ACTION MNEMONIC: EPC
XTVS PKG MGR PARAM CMPR MENU	Compare Parameters to Existing File	Menu	HEADER: D SHOW^VALM	This action allows selection of an existing XTMPSIZE.DAT file for comparison to a displayed file. Differences are reported in a ListMan

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				<p>user interface. The XTVS PKG MGR PARAM COMPARE List Manager template uses this menu protocol. This menu includes the following actions:</p> <ul style="list-style-type: none"> • XTVS PKG MGR PARAM COMPR MAIL ACTION MNEMONIC: ECR • VALM BLANK 2
XTVS PKG MGR PARAM COMPARE ACTION	CPF— Parameter File Comparison	Action	ENTRY ACTION: D PARAMCMP^XT VSLP	Prompts the user to select a Package Parameter file (i.e., XTMPSIZE*.DAT) for comparison. Displays a report of differences between the new Package Parameter file (i.e., XTMPSIZE*.DAT) and the selected Package Parameter file (i.e., XTMPSIZE*.DAT).
XTVS PKG MGR PARAM COMPR MAIL ACTION	ECR—Email Comparison Report	Action	ENTRY ACTION: D MAILRPT^XTV SLPC	Allows users to email a comparison report on the “ VistA Package Size Analysis Manager - Parameter Compare ” screen using VistA MailMan.
XTVS PKG MGR PARAM DATA MAP HELP ACTION	DM— Display Parameter File Data Map	Action	ENTRY ACTION: D PARAMAP^XTV SLP	Displays a data map of the Package Parameter file (i.e., XTMPSIZE*.DAT) list data.
XTVS PKG MGR PARAM DISP CAPTION ACTION	DC— Display Captioned Parameters	Action	ENTRY ACTION: D PARAMRPT^XT VSLP	Displays the list of packages with captioned data elements. It also supports Package Parameter editing actions.
XTVS PKG MGR PARAM DISP CAPTN MENU	Parameter Caption Display Menu	Menu	HEADER: D SHOW^VALM	<p>This Menu protocol contains the list of actions available from the XTVS PKG MGR PARAM CAPTN DISP list template. This menu includes the following actions:</p> <ul style="list-style-type: none"> • XTVS PKG MGR EDIT PACKAGE PARM ACTION MNEMONIC: EPP • XTVS PKG MGR DEL PACKAGE PARM ACTION MNEMONIC: DPE

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				<ul style="list-style-type: none"> • XTVS PKG MGR SAVE PACKAGE PARM ACTION MNEMONIC: SPP • VALM BLANK 1
XTVS PKG MGR PARAM DISP MENU	Package Parameter Display Menu	Menu	HEADER: D SHOW^VALM	<p>This Menu protocol contains the list of actions available from the XTVS PKG MGR PARAM DISPLAY list template. This menu includes the following actions:</p> <ul style="list-style-type: none"> • XTVS PKG MGR PARAM ERR DISP ACTION MNEMONIC: DO • XTVS PKG MGR PARAM DATA MAP HELP ACTION MNEMONIC: DM • XTVS PKG MGR PARAM DISP CAPTION ACTION MNEMONIC: DC • XTVS PKG MGR PARAM COMPARE ACTION MNEMONIC: CPF
XTVS PKG MGR PARAM DISP/EDIT ACTION	PMD— Display/Edit Package Parameters	Action	ENTRY ACTION: D PRMD^XTVSLM	<p>This action prompts the user to select a XTMPSIZE*.DAT Package Parameter file from a list of Package Parameter files (i.e., XTMPSIZE*.DAT). It then invokes the “VistA Package Size Analysis Manager – Parameter Display” screen for editing and managing Package Parameter file (i.e., XTMPSIZE*.DAT) data. This action is locked with the XTVS EDITOR security key.</p>
XTVS PKG MGR PARAM ERR DISP ACTION	DO— Display Package Overlap List	Action	ENTRY ACTION: D PKGERR^XTVS LP	<p>Displays the “VistA Package Size Analysis Manager – Prefix/File Overlap” screen. It includes data analysis support actions that allow users to review PACKAGE (#9.4) file and PREFIX (#1) field (i.e., unique namespace prefix assigned to the package) overlap information.</p>

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
XTVS PKG MGR PARAM ERROR MENU	List Package Errors	Menu	HEADER: D SHOW^VALM	<p>This protocol allows access to the Package Parameter File error reporting actions. The XTVS PKG MGR PARAM ERROR DISP List Manager template uses this menu protocol. This menu includes the following actions:</p> <ul style="list-style-type: none"> • XTVS PKG MGR PREFIX OVERLAP ACTION MNEMONIC: PL • XTVS PKG MGR FILE OVERLAP ACTION MNEMONIC: FL • XTVS PKG MGR EMAIL OVRLAP RPT ACTION MNEMONIC: EL • XTVS PKG MGR PARAM OVRLP REDISP ACTION MNEMONIC: RL
XTVS PKG MGR PARAM FILE DELETE ACTION	DPF—Delete Package Parameter File	Action	ENTRY ACTION: D DELPRM^XTVS LM	<p>Deletes from the system a selected Package Parameter file (i.e., XTMPSIZE*.DAT) listed on the “VistA Package Size Analysis Manager” screen.</p> <p>This action is locked with the XTVS EDITOR security key.</p>
XTVS PKG MGR PARAM OVRLP REDISP ACTION	RL—[Re] Display Package Overlap List	Action	ENTRY ACTION: D CMBERR^XTVS LPER	<p>Displays both prefix (namespace) and file overlaps for packages that intersect. The “VistA Package Size Analysis Manager – Prefix/File Overlap” screen is re-displayed.</p>
XTVS PKG MGR PARAM UNLOCK ACTION	UNL—Unlock Parameter File	Action	ENTRY ACTION: D RMVLCK^XTVS LM	<p>Displays a list of lock files (.LCK) for Parameter files and prompts the user for the number of the Extract Package Parameter file (i.e., XTMPSIZE*.LCK) to delete. Deletion of a lock file unlocks the parameter file. The lock files have the following file name format:</p> <p style="text-align: center;">XTMPSIZE_<user initials><mm-dd-yy_hhmm>.LCK</p> <p>This action is locked with the XTVS</p>

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				EDITOR security key.
XTVS PKG MGR PREFIX OVERLAP ACTION	PL—Display Prefix Overlap List	Action	ENTRY ACTION: DO DPFXERR^XTV SLPER	Sorts out and displays only the packages that have prefix (namespace) overlap (intersections). The “ VistA Package Size Analysis Manager – Prefix Overlap ” screen is displayed.
XTVS PKG MGR RPT MAIL ACTION	ER—Email Rpt Attachment	Action	ENTRY ACTION: D SNDEXT^XTVS LAPI ("VistA Size Report",DUZ , "^TMP ("XT VS PKG MGR R PT"" , "_\$J_ ")")	Prompts the user for email addresses to receive the report.
XTVS PKG MGR RPT MENU	VistA Size Report Menu	Menu	HEADER: D SHOW^VALM	This menu allows access to VistA Package Manager statistics report actions. The XTVS PKG MGR VISTA SIZE RPT List Manager template uses this menu protocol. This menu includes the following actions: <ul style="list-style-type: none"> • XTVS PKG MGR RPT WRT ACTION MNEMONIC: CTF • XTVS PKG MGR RPT MAIL ACTION MNEMONIC: ER
XTVS PKG MGR RPT QUERY REMOTE ACTION	RVQ—Remote VistA Size Query	Action	ENTRY ACTION: D REMREQ^XTVS LR	Prompts the user for a package and a VistA domain to request a size report for the selected package. A size report query message is sent to the selected VistA domain. These actions are available from the “ VistA Package Size Analysis Manager ” and the “ VistA Package Size Analysis Manager - Package Statistics ” screens: <ul style="list-style-type: none"> • “VistA Package Size Analysis Manager” Screen—When the RVQ action is run from this screen, the request prompts the user to select a

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				<p>Package Parameter file and sends the request to the remote VistA, so the report can be created on the remote VistA.</p> <ul style="list-style-type: none"> • “VistA Package Size Analysis Manager - Package Statistics” Screen—When the RVQ action is run from this screen, the request sends the Parameter file used to create the displayed report to the remote VistA, so that an apples-to-apples size report is returned from the remote VistA. That is the same package parameters that are used to create the report.
XTVS PKG MGR RPT WRT ACTION	CTF— Create Text File	Action	ENTRY ACTION: D TEXTFILE^XT VSLR	<p>Prompts users to enter the following:</p> <ul style="list-style-type: none"> • Directory to write the report file. The default is the VistA Package Size default directory. • Name of the host file that will contain the report. The default name is: VistAPkgSize_<VA FileMan internal date/time>.txt
XTVS PKG MGR SAVE PACKAGE PARM ACTION	SPP—Save Package Parameter Changes	Action	ENTRY ACTION: D SAVPMPKG^XT VSLPDC	<p>Allows users to overwrite the displayed Package Parameter file (i.e., XTMPSIZE*.DAT) or create a new Package Parameter file (i.e., XTMPSIZE*.DAT).</p> <p>After the XTMPSIZE*.DAT file has been edited, this action prompts the user to indicate if s/he wants to create a new Package Parameter file (i.e., XTMPSIZE*.DAT). If the user selects to create a new Package Parameter file (i.e., XTMPSIZE*.DAT), the file is written to the XTMPSIZE*.DAT default directory with the following file name format: XTMPSIZE_<user initials><mm-dd-yy_hhmm>.DAT</p>

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				If the user does <i>not</i> choose to create a new Package Parameter file (i.e., XTMPSIZE*.DAT), the currently displayed Package Parameter file (i.e., XTMPSIZE*.DAT) is overwritten.
XTVS PKG MGR VISTA SIZE RPT	VSR—Display VistA Size Report	Action	ENTRY ACTION: D VSR^XTVSLM	Reports VistA package size statistics.
XTVS PKG QUERY REMOTE VISTA SIZE ACTION	RVQ—Remote VistA Size Query	Action	ENTRY ACTION: D REMREQ^XTVSLM	<p>Prompts the user for a package and a VistA domain to request a size report for the selected package. A size report query message is sent to the selected VistA domain. These actions are available from the “VistA Package Size Analysis Manager” and the “VistA Package Size Analysis Manager - Package Statistics” screens:</p> <ul style="list-style-type: none"> • “VistA Package Size Analysis Manager” Screen—When the RVQ action is run from this screen, the request prompts the user to select a Package Parameter file and sends the request to the remote VistA, so the report can be created on the remote VistA. <p>“VistA Package Size Analysis Manager - Package Statistics” Screen—When the RVQ action is run from this screen, the request sends the Parameter file used to create the displayed report to the remote VistA, so that an apples-to-apples size report is returned from the remote VistA. That is the same package parameters that are used to create the report.</p>
XTVS PKG RPT SWAP HEADER ACTION	SHD—Swap Header	Action	ENTRY ACTION: D SWAPHEAD^XTVSLR	Changes the ListMan header section on the VistA Package Size Report for all packages to the alternate header. This action is only active when a user readable report for all packages is displayed. For example, this action is

Protocol Name	Option Text	Type	Routine / Action / RPC / Other (Based on Type)	Description
				<i>not</i> active on a screen if the date headings are displayed next to the data on the VistA Size Report for a single package.
XTVS SITE PARAMETERS	CHD— Change Host Directory	Action	ENTRY ACTION: D SP^XTVSLM	<p>Allows users to change the default host file directory retaining the following files:</p> <ul style="list-style-type: none"> • XTMPSIZE*.DAT • XTMPSIZE*.BAK • VistA Size Statistic Report <p>This action is locked with the XTVS EDITOR security key.</p>

6. Mail Groups, Alerts, and Bulletins

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* distribute or create any mail groups, alerts, or bulletins; however, similar to bulletins, VPSRT does send MailMan messages to users.

For example, VPSRT sends a MailMan message to a user to notify them of errors that occur or when a data change is made to accommodate package names that include quotation marks, such as “OUTPATIENT PHARMACY 4” LABEL”, as shown in [Figure 5](#):

Figure 5: Sample VPSRT MailMan Error Message

```

Subj: PACKAGE REPORT NOTICE (PATTRW) ; Report process warning.  [#160459]
10/08/20@14:32  5 lines
From: VISTA PACKAGE SIZE ANALYSIS MANAGER  In 'IN' basket.  Page 1
-----
Package Size Report warning for PATTRW.
The following package(s) are not found on this VistA.
(The number of protocols reported may be incorrect.)
- GTS TEST
- OUTPATIENT PHARMACY 4 ' ' LABEL

```



REF: For other examples of VPSRT MailMan messages, see Section 3, “Appendix A—System MailMan Messages,” in the *VPSRT Kernel Toolkit Patch XT*7.3*143 User Guide*.

7. Public Interfaces

This section describes any public interfaces (e.g., Integration Control Registrations [ICRs], RPCs, Health Level Seven [HL7] messaging, application programming interfaces [APIs,] etc.) that are called by this software (i.e., subscriber), or that are made available by this software (i.e., custodian). It should include technical details as applicable, such as functions, entry points, required variables, parameters, any restrictions, etc.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* have any public interfaces as described.

7.1. Integration Control Registrations

This section lists any Integration Control Registrations (ICRs) created and/or used by the software or provide instructions for obtaining the information online. Categorize ICRs by the custodian or subscriber relationship to your software.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* have any public interfaces as described.

7.2. Application Programming Interfaces

This section describes any Application Programming Interfaces (APIs, aka callable routines) entry points, parameters, and variables created and/or used by the software.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* have any supported or controlled subscription APIs.

7.3. Remote Procedure Calls

This section describes any remote procedure call (RPC) entry points and parameters created and/or used by the software.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* distribute any RPCs.

7.4. HL7 Messaging

This section describes any Health Level 7 (HL7) messages sent or received by the software. It should include any subscriber protocols, HL7 application parameters, HL Logical Links, etc. It should also identify the software that relies on the HL7 messaging and what data is being moved.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* send or receive HL7 messages. VPSRT does *not* have any subscriber protocols, HL7 application parameters, or HL Logical Links associated with or used by the software.

7.5. Web Services

This section describes any web services created and/or used by the software. For example, calls made from the VistA/M environment to an external server for retrieved results.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* create or use any web services.

8. Standards and Conventions Exemptions

The Standards and Conventions (SAC) document is a set of guidelines and standards that application developers *must* follow. Through a process of quality assurance, software is reviewed with respect to SAC guidelines as set forth by the Standards and Conventions Committee (SACC).

The SACC may grant exemptions from compliance with a particular section of the SAC for a specified timeframe. Any SAC exemptions for this software should be described in this section.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* have any SAC exemptions.

8.1. Internal Relationships

Use this section to specify any routines, files, or options within this software that cannot function independently. For example, does the functioning of a particular option assume that entry/exit logic of another option has already occurred? If so, list such options with their programming Standards and Conventions Committee (SACC) approval dates.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do not have any unique internal relationships with other VistA software.

8.2. Software-Wide Variables

Use this section to provide a list of all software-wide variables (aka Public or Published Variables) that have received Standards and Conventions Committee (SACC) exemptions and approval dates.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* create any software-wide variables.

9. Security

To protect the security of VistA systems, distribution of this software for use on any other computer system by VistA sites is prohibited. All requests for copies of VPSRT for *non*-VistA use should be referred to the VistA Infrastructure (VI) / VistA Kernel Team.

9.1. Security Menus and Options

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* distribute any security-specific menus, options, or protocols.

9.2. Security Keys and Roles

[Table 7](#) lists the security keys distributed with the VPSRT and Kernel Toolkit Patch XT*7.3*143:

Table 7: VPSRT—Security Keys

Security Key	Description
XTVS EDITOR	This is the Package Management Editor security key. This security key is used to protect Kernel Toolkit Package Management ListMan protocols and actions from execution by unprivileged and misinformed users.

9.3. File Security

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* distribute any files, so there are no additional file security requirements.

9.4. Electronic Signatures

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* use any electronic signatures for any software functions.

9.5. Secure Data Transmission

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* require any additional secure data transmission capabilities, since VPSRT does *not* transmit data outside of the VA firewall.

10. Archiving

Use this section to specify any data archiving capabilities of the software. Provide any necessary instructions or guidelines.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* require any special archiving capabilities.

11. Non-Standard Cross-References

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* have any *non*-standard or special cross-references.

12. Troubleshooting

Use this section to describe any anticipated problems, issues, or items that a user may need assistance with and provide guidance to the extent possible.

12.1. Common Issues and Resolutions

[Table 8](#) will be updated over time by the VistA Infrastructure (VI) / VistA Kernel Team with common issues observed with VPSRT and their resolutions, so that as they reoccur, consistent solutions can be applied.

Table 8: VPSRT—Common Issues and Resolutions

Issue	Common Resolution	Support Contact

12.2. Frequently Asked Questions (FAQs)

This section will be updated over time by the VistA Infrastructure (VI) / VistA Kernel Team based on frequently asked questions (FAQs) from users. It will provide answers to commonly asked questions, to assist users when configuring, maintaining, or troubleshooting VPSRT.

12.3. Special Instructions for Error Correction

Use this section to specify any recovery and error correction procedures, including error conditions that may be generated and corrective actions that may need to be taken.

VPSRT and Kernel Toolkit Patch XT*7.3*143 do *not* require any special recovery or error correction procedures be taken when running VPSRT.

12.4. Enterprise Service Desk and Organizational Contacts

The following are the enterprise support and other organizational points of contact (POCs):

- [VA Enterprise Service Desk](#)
- [Tier 2](#)

12.4.1. VA Enterprise Service Desk

For Information Technology (IT) support **24** hours a day, **365** days a year call the VA Enterprise Service Desk (ESD):

- Enter an **Incident** or **Request** ticket in **ServiceNow** (SNOW) system 1 via the **YourIT** shortcut on your workstation. or call **REDACTED** or **REDACTED**
- **Assign SNOW ticket to this ServiceNow Support Team: NTL MNT Infrastructure service support**

12.4.2. Tier 2

Contact the following **Tier 2** support email distribution group to add appropriate members/roles to be notified when needed:

REDACTED

¹ Information Technology Service Management (ITSM) Tool: REDACTED (use Google Chrome browser)

13. Acronyms and Abbreviations

Table 9: Glossary of Terms, Acronyms, and Abbreviations

Term	Definition
API	Application Programming Interface.
COMMON MENU	Options that are available to all users. Entering two question marks (??) at the menu's select prompt will display any SECONDARY MENU OPTIONS available to the signed-on user along with the common options available to all users.
DIBRG	Deployment, Installation, Back-Out, and Rollback Guide
EPMO	Enterprise Program Management Office.
FAQs	frequently asked questions.
FILE ACCESS SECURITY SYSTEM	Formerly known as Part 3 of the Kernel Inits. If the File Access Security conversion has been run, file-level security for VA FileMan files is controlled by Kernel's File Access Security system, <i>not</i> by File Manager Access codes (i.e., FILE MANAGER ACCESS CODE field).
HELP PROCESSOR	A Kernel module that provides a system for creating and displaying online documentation. It is integrated within the menu system so that help frames associated with options can be displayed with a standard query at the menu's select prompt.
HL7	Health Level Seven.
HOST FILE SERVER (HFS)	A procedure available on layered systems whereby a file on the host system can be identified to receive output. It is implemented by the Device Handler's HFS device type.
ICR	Integration Control Registration.
ISO	Information Security Officer.
ITSM	Information Technology Service Management (see SNOW).
OIT	Office of Information and Technology (OIT).
OITFO	Office of Information and Technology Field Office.
PROTOCOL	An entry in the PROTOCOL (#101) file.
PS	Product Support.
RPC	Remote Procedure Call.
SAC	Standards and Conventions.
SACC	Standards and Conventions Committee.

Term	Definition
SECONDARY MENU OPTIONS	Options assigned to individual users to tailor their menu choices. If a user needs a few options in addition to those available on the primary menu, the options can be assigned as secondary options. To facilitate menu jumping, secondary menus should be specific activities, <i>not</i> elaborate and deep menu trees.
SNOW	ServiceNow.
SYNONYM	In VistA, a field in the OPTION (#19) file. Options can be selected by their menu text or synonym.
VI	VistA Infrastructure.
VISTA	Veterans Health Information Systems and Technology Architecture.
VPSRT	VistA Package Size Reporting Tool.



REF: For a list of commonly used terms and definitions, see the OIT Master Glossary VA Intranet Website.

For a list of commonly used acronyms, see the VA Acronym Lookup Intranet Website.